

# ENGINEERING CHANGE NOTICE

<b>DART AEROSPACE LTD</b>		Amendment Design Review (ADR) Yes/No:	<input checked="" type="checkbox"/>	ECN #:	<b>962</b>
Date:	07.05.08	ADR Date:	07.05.08		
Job No:	00069	Created By:	RLL	Checked By:	
Product No:	D206-642	Approved By:		Approved By:	
Product Name:	SKIDTUBE INSTALLATIONS	(Proj. Manager)	H	(Management if reqd)	N/A

**Documents Affected:**
**RELEASE:**

MDL-D206-642 REV R, D3535 REV B, D3537 REV C

#	Engineering Actions	Yes	No	Responsible	To happen by:	Complete
1	Required Documents/Drawings Under Review?	X		PH	07.05.10	07.05.09 PH
2	Update Blue/Pink Folder/Electronic File		X			
3	Update DSI Folder/Electronic File		X			
4	Update D-Part Master Binder	X		KJ	07.05.10	07.05.09 KJ
5	Update Grey Project Binder	X		KJ	07.05.10	07.05.09 KJ
6	Update DEO/DSI Binder		X			
7	Update Master Document List (MDL)	X		PH	07.05.10	07.05.09 PH
8	Update Document Record (DR)	X		PH	07.05.10	07.05.09 PH
9	Update Change Record Form		X			
10	Move Electronic File	X		KJ	07.05.10	07.05.09 KJ
11	Notify TC of Change		X			
12	Notify FAA of Change		X			
13	Update QSI 021 (TC/FAA STC)	X				
14	Update QSI 036 (K-Kits)	X				
15	Update Accpac Database	X				
16	Update Access Database	X				
17	Verification ARC	X				
18	Update STC Approval List	X				
19	Update Product Development Summary	X				
20	Create/Update COSS (Estimate/BOM)	X		JLM/EC ✓	07.05.10	07.05.09 JLM/EC
21	Create/Update PPP's		X			
22	Update Paperwork Kits in Production		X			
23	Update Paperwork Kits in Stock		X			
24	Red Tag Stock with old CHG #		X			
25	Rework/Scrap Current Production		X			
26	Rework/Scrap Kits in Stock?	X		LL ✓	07.05.10	07.04.20 LL for 4
27	Update Qpulse/Laminated Dwgs		X			
28	Create/Update Controlled PDF Files	X		KJ	07.05.10	07.05.09 KJ
29	Create/Update FAI sheets	X		KJ/JLM/EC	07.05.10	07.05.09 KJ/JLM/EC
30	Create/Update CNC Programs	X		JLM/EC	07.05.10	07.05.09 JLM/EC
31	Create/Update Tooling		X			
32	MPP required?		X			
33	Notify Previous Customers		X			
34	Notify Eurocopter France		X			
35						
36						

**Description / Action:**

- RE-WORK D3535 IN STOCK IN ACCORDANCE WITH ATTACHED SCHEME
- RE-WORK D3537 WELDING DETAIL ONLY, NOTE: \*\*\*USE WITH D412-742 FLOAT SKIDTUBES ONLY\*\*\*
- DRAWING D3537 REV C RELEASED BY PH BASED ON ATTACHED E-MAIL FROM D. SHEPHERD

w/o 30760

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ECN Complete: 07.06.30

Date: H

ECN # ~~2~~ 962

**Peter Hum**

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**From:** David Shepherd [dshepherd@dartaero.com]  
**Sent:** April 12, 2007 4:55 PM  
**To:** 'Peter Hum'  
**Cc:** 'Chris Provencal'; 'Jason Murdoch'; 'L Lacelle'; 'S Shahbazian'; 'Bill Beckett'; 'Jean-Luc Menard'; 'Eric Charbonneau'  
**Subject:** RE: stainless steel wearplate with gasket tab widening

This is an acceptable deviation to me.

However, the parts have to be cleaned up considerably from what I saw in the pictures (deburred and paint touched up).

It is my understanding that these tubes are going to a high profile customer (Air Log).  
It can't be done half-assed or look like it was made to fit, in my opinion.

I can't understand why we are just finding out now that the flat pattern is 0.100" to 0.120" too narrow the day before we want to ship the parts. It seems to me this could have been tried with one small prototype piece on a couple sets of holes before we programmed and cut multiple parts on the waterjet. When I sign the drawings, I am assuming all of this stuff has been worked out. I would guess that the programmers are making the same assumption.

We have done a lot of conversions to stainless steel wearplates on other STC's (350, 412 float, 135). Have we done fitups for all of these parts to ensure that they will fit properly with the gasket?

Thanks,  
David

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**From:** Peter Hum [mailto:[phum@dartaero.com](mailto:phum@dartaero.com)]  
**Sent:** Thursday, April 12, 2007 2:30 PM  
**To:** 'David Shepherd'  
**Cc:** 'Chris Provencal'; 'Jason Murdoch'; 'L Lacelle'  
**Subject:** stainless steel wearplate with gasket tab widening

David,

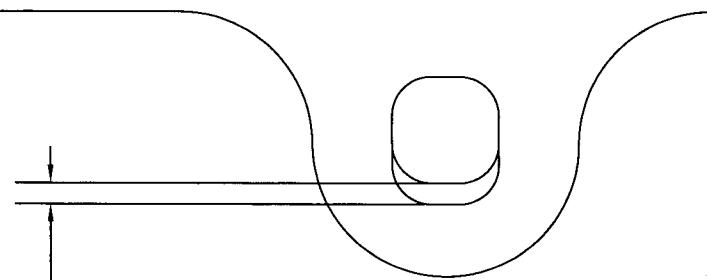
We are trying to ship a 206L/407 float skidtube with stainless steel wearplates and the rubber gasket. Upon assembly we have found that the extra thickness the gasket gives, causes a difficult fit for the wearplate.

Jason opened the holes on the tab and the bolts not fit properly, to join the wearplates to the skidtube (see the attached pictures). We would have to open up all the wearplate tabs.

Is this an acceptable deviation for this shipment?

For future shipments the flat pattern will need to be updated.

Thanks  
Peter



- 1) REMOVE 0.060
- 2) DEBURR AND TOUCH UP PAINT

file-work of 03535-X wearshoe only

**Peter Hum**

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**From:** David Shepherd [dshepherd@dartaero.com]  
**Sent:** May 9, 2007 1:38 AM  
**To:** 'Peter Hum'  
**Subject:** RE: Releasing of D3537 Rev C wearpad

Go ahead and release the drawing.

David

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**From:** Peter Hum [mailto:[phum@dartaero.com](mailto:phum@dartaero.com)]  
**Sent:** Tuesday, May 08, 2007 12:43 PM  
**To:** 'David Shepherd'  
**Subject:** Releasing of D3537 Rev C wearpad

David,

I got the 8110-3 approving MDL-D206-642 Rev R.

Turns out I don't have a signed released copy of D3537 Rev C from you.

Therefore, can you respond to this e-mail stating that it is okay for me to release it.

Thanks

Peter

No virus found in this incoming message.  
Checked by AVG Free Edition.  
Version: 7.5.467 / Virus Database: 269.6.6/794 - Release Date: 5/8/2007 2:23 PM

No virus found in this outgoing message.  
Checked by AVG Free Edition.  
Version: 7.5.467 / Virus Database: 269.6.6/794 - Release Date: 5/8/2007 2:23 PM

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MPP

DART AEROSPACE LTD	Amendment Design Review (ADR) Yes/No:	<input checked="" type="checkbox"/> Y	ECN #:	962
Date: 07.05.08	ADR Date:	07.05.08		
Job No: 00069	Created By:	RH	Checked By:	
Product No: D206-642	Approved By:		Approved By:	
Product Name: SKIDTUBE INSTALLATIONS	(Proj. Manager)		(Management if reqd)	

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5	Update Grey Project Binder	X		KJ	07.05.10	
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9	Update Change Record Form		X			
10	Move Electronic File	X		KJ	07.05.10	07.05.09 KJ
11	Notify TC of Change		X			
12	Notify FAA of Change		X			
13	Update QSI 021 (TC/FAA STC)		X			
14	Update QSI 036 (K-Kits)		X			
15	Update Accpac Database		X			
16	Update Access Database		X			
17	Verification ARC		X			
18	Update STC Approval List		X			
19	Update Product Development Summary		X			
20	Create/Update COSS (Estimate/BOM)	X		JLM/EC	07.05.10	
21	Create/Update PPP's		X			
22	Update Paperwork Kits in Production		X			
23	Update Paperwork Kits in Stock		X			
24	Red Tag Stock with old CHG #		X			
25	Rework/Scrap Current Production		X			
26	Rework/Scrap Kits in Stock?	X		LL	07.05.10	07.05.09 LL
27	Update Qpulse/Laminated Dwgs		X			
28	Create/Update Controlled PDF Files	X		KJ	07.05.10	07.05.09 KJ
29	Create/Update FAI sheets	X		KJ/JLM/EC	07.05.10	
30	Create/Update CNC Programs	X		JLM/EC	07.05.10	
31	Create/Update Tooling		X			
32	MPP required?		X			
33	Notify Previous Customers		X			
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35						
36						

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- DRAWING D3537 REV C RELEASED BY PH BASED ON ATTACHED E-MAIL FROM D. SHEPHERD

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